Soil Investigation at a Glance



Measurements taken once at two or more Soil Characterization Sample Sites top and bottom depths for each horizon in the soil profile structure, color, consistence, texture bulk density, particle size distribution, pH, and fertility (N, P, K) of samples taken from each horizon soil infiltration surface slope (in degrees)

Measurements taken at the Soil Moisture Study Site: soil moisture, 12 times per year soil temperature, weekly diurnal variation of soil temperature, seasonally soil infiltration, seasonally

Suggested Sequence of Activities

Read Welcome to the Soil Investigation.

Copy and distribute to your students the scientists' letters and interviews.

Read the *Protocols* to learn precisely what is to be measured and how.

Read *The Learning Activities at a Glance* at the beginning of the *Learning Activities* section.

Do the first four activities before beginning the protocols.

Make copies of the data sheets in the *Appendix*.

Perform the Soil Characterization Protocols.

Perform the Soil Moisture Protocol.

Visit the GLOBE World Wide Web site with your students and review the data submission pages for Soils.

Submit your data to the GLOBE Student Data Server.

Do the remaining learning activities.



You may require help to dig your soil pit, if you choose to dig one.